

AMENDMENT TO THE CLAIMS

Claim 1 (Currently Amended). A double-sided image film screen for an image projector, having a thickness (A) of 10 μ m to 400 μ m, and having a projection structure, comprising:

a transparent material; and

a light-refracting material contained in or deposited on the transparent material at each side of the film screen,

wherein the light-refracting material has a ~~refractivity~~ an index of refraction of 2.5 to 3.0; 1.4 or more, and ~~a content and a particle size of the light-refracting material and a thickness of the film screen~~

wherein the light-refracting material has a content (C) ranging from a weight ratio of 800ppm to a weight ratio of 90,000ppm; and

wherein the thickness (A) of the film screen, the index of refraction of the light-refracting material, and the content (C) of the of the light-refracting material mutually interact such that an image projected from a single projector is dividedly displayed on front and rear surfaces of the film screen, to enable simultaneous display of the image at the front and rear surfaces of the film screen while eliminating a hot spot.

Claim 2 (Currently Amended). The double-sided image film screen as set forth in claim 1, wherein:

~~the content (C) of the light-refracting material in the film screen is in the range of range of 800ppm to 90,000ppm;~~

the particle size (B) of the light-refracting material is in the range of 0.1 μ m to 50 μ m; and

~~the thickness (A) of the film screen is in the range of 10 μ m to 400 μ m.~~

Claim 3 (Original). The double-sided image film screen as set forth in claim 1 or 2, wherein:

a rotary rod is installed at an upper end of the film screen; and
the film screen is rolled up into and down from the rotary rod, and serves as a
rolled-type screen.

Claim 4 (Previously Presented). The double-sided image film screen as set
forth in claim 1,

wherein the film screen is fixed to a transparent plate so that the film screen
can be transferred upward and downward by means of a rotary rod.

Claim 5 (Original). The double-sided image film screen as set forth in claim 1
or 2,

wherein the film screen is attached to a glass window so that viewers at
outdoor and indoor places can view the film screen through both surfaces thereof.

Claim 6 (Previously Presented). The double-sided image film screen as set
forth in claim 1,

wherein a projector is installed under the film screen and a reflecting mirror is
installed in front of the projector to prepare one video system so that viewers can view
an image displayed on the front and rear surfaces of the film screen.

Claim 7 (Canceled).

Claim 8 (Canceled).

Claim 9 (Canceled).

Claim 10 (Previously Presented). The double-sided image film screen as set
forth in claim 1,

wherein the film screen is divided into front and rear film sub-screens
centering on a transparent plate under the condition that the total thickness of the film

Application No.: 10/527,715
Examiner: Do, Robert C.
Art Unit: 2851

screen, the content and the particle size of the light-refracting material in the film screen satisfy the allowable ranges.